Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 111.22mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.47	31.41	27.11	21.41	1.32	0.80	40.71	20.23	5.30
40.0	24.47	31.42	26.86	21.34	1.32	0.80	40.30	20.93	5.04
60.0	24.46	31.39	26.54	21.16	1.32	0.80	41.57	20.97	5.07
80.0	24.45	31.40	26.37	20.96	1.32	0.80	39.18	20.96	4.98
100.0	24.43	31.40	26.26	20.66	1.32	0.80	38.61	20.87	5.02
200.0	24.36	31.33	25.58	18.38	1.31	0.79	37.15	21.03	5.07
300.0	24.26	31.22	24.03	16.37	1.30	0.79	39.03	21.06	5.02
400.0	24.12	31.08	22.61	14.58	1.28	0.78	38.06	21.03	5.00
500.0	23.96	30.92	21.43	13.10	1.26	0.77	37.96	21.12	4.92
600.0	23.77	30.74	20.35	11.87	1.24	0.76	37.10	21.06	5.07
700.0	23.57	30.53	19.39	10.85	1.21	0.75	36.91	20.96	5.04
800.0	23.34	30.33	18.59	10.01	1.19	0.74	36.17	20.97	5.01
900.0	23.10	30.11	18.03	9.29	1.16	0.73	35.77	20.88	5.07
1000.0	22.85	29.89	17.48	8.70	1.14	0.72	35.13	21.08	5.08
1100.0	22.59	29.67	17.02	8.21	1.12	0.71	34.63	21.00	5.15
1200.0	22.33	29.46	16.69	7.79	1.10	0.70	34.78	20.98	5.11
1250.0	22.19	29.34	16.50	7.61	1.09	0.69	34.81	20.88	5.12
1500.0	21.53	28.80	15.91	6.89	1.06	0.67	34.31	20.97	5.20
1750.0	20.87	28.28	15.58	6.42	1.04	0.66	33.99	20.95	5.28
2000.0	20.24	27.76	15.38	6.09	1.02	0.65	33.57	21.10	5.30
2250.0	19.62	27.26	15.16	5.87	1.01	0.64	33.62	20.98	5.28
2500.0	19.04	26.77	15.04	5.77	1.01	0.64	33.18	20.96	5.33
2750.0	18.50	26.29	14.95	5.73	1.01	0.64	32.45	20.94	5.37
3000.0	17.97	25.84	14.88	5.76	1.01	0.65	32.69	20.89	5.32
3250.0	17.46	25.38	14.88	5.79	1.02	0.65	32.84	20.63	5.40
3500.0	16.97	24.94	15.07	5.84	1.03	0.66	32.96	20.25	5.42
3750.0	16.50	24.53	15.28	5.92	1.04	0.66	32.27	20.03	5.40
4000.0	16.04	24.13	15.51	6.01	1.06	0.67	32.08	19.87	5.42
4250.0	15.60	23.72	15.78	6.10	1.07	0.67	31.89	19.55	5.54
4500.0	15.17	23.34	16.07	6.21	1.09	0.67	31.51	19.26	5.58
4750.0	14.74	22.99	16.41	6.31	1.11	0.68	31.12	18.94	5.55
5000.0	14.31	22.66	16.77	6.37	1.13	0.68	30.24	18.75	5.56
5250.0	13.87	22.36	17.22	6.41	1.15	0.67	30.39	18.30	5.61
5500.0	13.44	22.06	17.57	6.44	1.18	0.67	29.75	17.94	5.67
5750.0	12.99	21.80	17.86	6.45	1.20	0.67	29.67	17.55	5.72
6000.0	12.56	21.56	17.96	6.46	1.23	0.67	29.25	17.30	5.83
6250.0	12.12	21.33	18.03	6.44	1.26	0.67	29.11	16.89	5.92
6500.0	11.67	21.13	17.99	6.39	1.30	0.67	28.83	16.54	6.01
6750.0	11.21	20.96	17.78	6.27	1.33	0.66	28.99	16.10	6.03
7000.0	10.74	20.80	17.14	6.17	1.36	0.66	28.29	15.83	6.13

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id = 95.79mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.32	31.22	30.07	20.06	1.32	0.79	42.18	19.21	5.15
40.0	24.32	31.22	29.53	20.00	1.32	0.79	37.12	19.85	4.90
60.0	24.31	31.20	29.17	19.86	1.32	0.79	36.63	19.86	4.95
80.0	24.30	31.20	28.92	19.73	1.32	0.79	35.41	19.84	4.85
100.0	24.29	31.20	28.61	19.51	1.32	0.79	35.52	19.78	4.88
200.0	24.21	31.14	27.24	17.68	1.31	0.79	35.54	19.89	4.92
300.0	24.12	31.02	25.05	15.94	1.29	0.78	35.42	19.88	4.88
400.0	23.98	30.88	23.28	14.32	1.27	0.77	36.33	19.87	4.88
500.0	23.82	30.71	21.85	12.93	1.25	0.77	34.96	19.91	4.84
600.0	23.64	30.53	20.62	11.76	1.23	0.76	35.01	19.85	4.94
700.0	23.44	30.32	19.58	10.76	1.20	0.75	34.38	19.75	4.92
800.0	23.22	30.11	18.72	9.95	1.17	0.74	34.22	19.73	4.93
900.0	22.98	29.88	18.10	9.24	1.15	0.72	34.10	19.70	4.94
1000.0	22.73	29.66	17.51	8.66	1.13	0.71	33.12	19.83	4.94
1100.0	22.48	29.45	17.01	8.19	1.11	0.71	33.24	19.80	4.99
1200.0	22.21	29.23	16.65	7.77	1.09	0.70	33.11	19.77	4.97
1250.0	22.08	29.12	16.47	7.59	1.08	0.69	33.26	19.69	5.01
1500.0	21.43	28.58	15.84	6.87	1.04	0.67	32.97	19.78	5.08
1750.0	20.78	28.06	15.48	6.41	1.02	0.66	32.64	19.78	5.14
2000.0	20.15	27.55	15.24	6.07	1.00	0.65	32.19	19.90	5.15
2250.0	19.54	27.06	15.01	5.85	0.99	0.64	32.35	19.77	5.14
2500.0	18.97	26.58	14.89	5.76	0.99	0.64	32.16	19.80	5.19
2750.0	18.42	26.10	14.79	5.73	0.99	0.64	31.44	19.92	5.20
3000.0	17.90	25.66	14.68	5.75	1.00	0.65	31.61	19.78	5.16
3250.0	17.40	25.22	14.70	5.79	1.01	0.66	31.62	19.56	5.23
3500.0	16.91	24.78	14.88	5.85	1.02	0.66	31.60	19.23	5.31
3750.0	16.44	24.38	15.08	5.93	1.03	0.66	31.41	19.10	5.29
4000.0	15.98	23.99	15.28	6.04	1.05	0.67	30.94	19.03	5.29
4250.0	15.54	23.59	15.55	6.14	1.06	0.67	31.11	18.63	5.38
4500.0	15.11	23.22	15.85	6.25	1.08	0.68	30.69	18.43	5.43
4750.0	14.68	22.87	16.20	6.36	1.10	0.68	30.31	18.15	5.40
5000.0	14.25	22.55	16.58	6.43	1.12	0.68	29.51	18.11	5.43
5250.0	13.80	22.26	17.05	6.48	1.15	0.68	29.56	17.66	5.45
5500.0	13.37	21.97	17.38	6.52	1.18	0.68	28.99	17.32	5.55
5750.0	12.92	21.72	17.71	6.54	1.21	0.68	28.89	16.89	5.56
6000.0	12.48	21.49	17.83	6.57	1.24	0.68	28.40	16.65	5.71
6250.0	12.03	21.26	17.92	6.55	1.27	0.68	28.45	16.24	5.75
6500.0	11.58	21.07	17.91	6.51	1.31	0.68	28.07	15.93	5.84
6750.0	11.12	20.91	17.73	6.40	1.34	0.67	28.23	15.43	5.83
7000.0	10.65	20.75	17.10	6.30	1.38	0.67	27.59	15.20	5.94

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Id = 127.20mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.57	31.54	25.61	22.47	1.33	0.80	39.69	21.06	5.40
40.0	24.57	31.55	25.26	22.40	1.33	0.80	41.21	21.82	5.15
60.0	24.56	31.53	25.09	22.17	1.33	0.80	42.23	21.89	5.22
80.0	24.54	31.54	24.99	21.89	1.33	0.80	40.08	21.87	5.07
100.0	24.53	31.53	24.93	21.52	1.33	0.80	39.24	21.78	5.10
200.0	24.46	31.47	24.48	18.88	1.32	0.80	39.82	21.97	5.21
300.0	24.35	31.37	23.24	16.64	1.31	0.79	41.54	22.01	5.15
400.0	24.21	31.23	22.07	14.74	1.29	0.78	40.52	21.97	5.11
500.0	24.05	31.07	21.03	13.20	1.27	0.77	38.45	22.09	5.04
600.0	23.86	30.89	20.04	11.93	1.24	0.76	38.56	22.03	5.18
700.0	23.65	30.69	19.19	10.89	1.22	0.75	37.47	21.93	5.14
800.0	23.43	30.48	18.46	10.03	1.19	0.74	38.16	21.96	5.15
900.0	23.18	30.26	17.93	9.31	1.17	0.73	37.29	21.83	5.19
1000.0	22.93	30.05	17.42	8.71	1.15	0.72	36.24	22.05	5.18
1100.0	22.67	29.83	16.99	8.23	1.13	0.71	36.21	21.93	5.23
1200.0	22.40	29.62	16.68	7.80	1.11	0.70	36.11	21.91	5.21
1250.0	22.27	29.50	16.52	7.62	1.10	0.69	35.99	21.83	5.26
1500.0	21.60	28.96	15.96	6.89	1.07	0.67	35.09	21.92	5.33
1750.0	20.93	28.44	15.65	6.42	1.05	0.66	34.80	21.86	5.39
2000.0	20.29	27.91	15.44	6.09	1.03	0.65	34.34	22.02	5.41
2250.0	19.67	27.41	15.24	5.87	1.02	0.64	34.25	21.88	5.38
2500.0	19.09	26.91	15.14	5.77	1.02	0.64	34.43	21.84	5.43
2750.0	18.54	26.42	15.05	5.73	1.02	0.64	33.61	21.69	5.45
3000.0	18.01	25.96	14.95	5.75	1.02	0.65	33.22	21.71	5.44
3250.0	17.50	25.50	14.98	5.79	1.03	0.65	33.58	21.42	5.52
3500.0	17.01	25.05	15.18	5.84	1.04	0.66	33.35	20.99	5.55
3750.0	16.53	24.63	15.40	5.91	1.05	0.66	32.86	20.70	5.55
4000.0	16.07	24.23	15.62	6.00	1.07	0.67	32.42	20.45	5.56
4250.0	15.63	23.81	15.89	6.09	1.08	0.67	32.66	20.16	5.68
4500.0	15.20	23.43	16.22	6.18	1.09	0.67	32.01	19.80	5.70
4750.0	14.77	23.07	16.54	6.28	1.11	0.67	31.63	19.45	5.70
5000.0	14.34	22.73	16.90	6.33	1.13	0.67	30.86	19.23	5.74
5250.0	13.90	22.42	17.37	6.35	1.15	0.67	30.92	18.80	5.77
5500.0	13.47	22.12	17.67	6.37	1.18	0.67	30.18	18.42	5.86
5750.0	13.03	21.85	17.95	6.38	1.20	0.67	30.11	18.00	5.91
6000.0	12.60	21.62	18.03	6.38	1.23	0.67	29.55	17.74	6.01
6250.0	12.16	21.37	18.06	6.35	1.26	0.67	29.57	17.32	6.06
6500.0	11.71	21.17	17.99	6.29	1.29	0.66	29.25	16.98	6.22
6750.0	11.26	21.00	17.74	6.17	1.32	0.66	29.29	16.53	6.23
7000.0	10.79	20.83	17.06	6.06	1.35	0.65	28.67	16.26	6.33

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 103.31mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.57	31.57	26.40	21.52	1.33	0.80	41.90	20.07	4.63
40.0	24.57	31.58	26.80	20.95	1.33	0.80	39.06	20.73	4.39
60.0	24.56	31.55	27.23	20.34	1.33	0.80	40.83	20.77	4.47
80.0	24.56	31.55	27.88	19.88	1.33	0.80	38.22	20.76	4.34
100.0	24.55	31.55	28.15	19.61	1.32	0.79	37.81	20.69	4.36
200.0	24.49	31.47	25.83	18.28	1.32	0.79	37.84	20.82	4.46
300.0	24.39	31.35	24.15	16.49	1.30	0.79	39.54	20.83	4.26
400.0	24.27	31.19	22.44	14.72	1.28	0.78	38.07	20.82	4.35
500.0	24.12	31.02	21.07	13.16	1.25	0.77	36.18	20.87	4.37
600.0	23.94	30.83	19.87	11.90	1.23	0.76	36.36	20.82	4.42
700.0	23.74	30.62	19.03	10.89	1.20	0.75	35.83	20.72	4.41
800.0	23.52	30.40	18.20	10.04	1.18	0.74	35.75	20.70	4.44
900.0	23.30	30.17	17.66	9.37	1.15	0.72	35.27	20.66	4.40
1000.0	23.06	29.93	17.10	8.80	1.13	0.71	34.48	20.79	4.42
1100.0	22.82	29.70	16.85	8.28	1.11	0.70	34.66	20.76	4.43
1200.0	22.57	29.47	16.49	7.85	1.09	0.69	34.36	20.75	4.45
1250.0	22.44	29.36	16.29	7.66	1.08	0.68	34.42	20.64	4.51
1500.0	21.78	28.82	15.64	6.83	1.04	0.66	34.19	20.72	4.52
1750.0	21.13	28.31	15.41	6.34	1.02	0.64	33.70	20.77	4.60
2000.0	20.52	27.78	15.25	6.02	1.00	0.63	33.15	20.86	4.61
2250.0	19.93	27.28	15.14	5.76	0.99	0.62	33.58	20.77	4.61
2500.0	19.37	26.79	14.80	5.62	0.98	0.62	33.37	20.76	4.63
2750.0	18.79	26.37	14.61	5.47	0.98	0.61	32.62	20.92	4.66
3000.0	18.27	25.92	14.51	5.51	0.98	0.62	33.07	20.74	4.62
3250.0	17.83	25.43	14.74	5.64	0.98	0.63	33.16	20.57	4.66
3500.0	17.41	24.95	15.29	5.70	0.99	0.63	32.84	20.41	4.71
3750.0	16.97	24.52	15.69	5.70	0.99	0.63	32.49	20.31	4.67
4000.0	16.53	24.13	16.12	5.74	1.01	0.63	32.10	20.27	4.66
4250.0	16.16	23.68	16.35	5.80	1.01	0.62	33.03	19.84	4.76
4500.0	15.80	23.26	16.51	6.02	1.02	0.63	32.29	19.76	4.83
4750.0	15.43	22.87	16.56	6.22	1.03	0.64	31.87	19.53	4.77
5000.0	15.01	22.54	17.48	6.16	1.05	0.63	31.30	19.44	4.79
5250.0	14.59	22.25	18.16	5.99	1.06	0.62	31.36	18.95	4.80
5500.0	14.16	21.97	18.96	5.90	1.08	0.61	30.83	18.66	4.91
5750.0	13.69	21.77	18.71	5.71	1.10	0.59	30.63	18.21	4.96
6000.0	13.25	21.55	18.21	5.61	1.12	0.59	30.29	18.01	5.04
6250.0	12.83	21.32	18.04	5.61	1.14	0.59	30.34	17.55	5.09
6500.0	12.38	21.14	18.12	5.47	1.16	0.58	30.17	17.14	5.18
6750.0	11.94	20.94	17.36	5.39	1.19	0.58	29.82	16.75	5.19
7000.0	11.56	20.74	17.19	5.36	1.21	0.58	29.55	16.51	5.31

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id = 90.57mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.45	31.41	28.53	20.35	1.32	0.79	36.57	19.10	4.53
40.0	24.45	31.41	29.01	19.87	1.32	0.79	37.09	19.69	4.29
60.0	24.44	31.38	29.63	19.34	1.32	0.79	36.27	19.68	4.34
80.0	24.43	31.39	30.33	18.95	1.32	0.79	35.38	19.67	4.24
100.0	24.42	31.38	30.47	18.71	1.32	0.79	34.90	19.64	4.28
200.0	24.36	31.30	27.35	17.67	1.31	0.79	35.17	19.70	4.33
300.0	24.27	31.17	25.00	16.08	1.29	0.78	35.82	19.66	4.25
400.0	24.15	31.01	23.08	14.49	1.27	0.77	35.45	19.68	4.27
500.0	24.00	30.83	21.53	13.01	1.25	0.76	34.71	19.68	4.22
600.0	23.82	30.65	20.18	11.80	1.22	0.75	34.55	19.63	4.33
700.0	23.63	30.43	19.24	10.81	1.19	0.74	34.64	19.53	4.28
800.0	23.41	30.21	18.36	9.98	1.17	0.73	34.05	19.45	4.29
900.0	23.19	29.96	17.71	9.33	1.14	0.72	33.95	19.51	4.32
1000.0	22.95	29.74	17.14	8.75	1.12	0.71	33.09	19.53	4.29
1100.0	22.71	29.51	16.86	8.25	1.10	0.70	33.06	19.56	4.31
1200.0	22.46	29.28	16.48	7.82	1.08	0.69	33.02	19.53	4.36
1250.0	22.34	29.16	16.26	7.63	1.07	0.68	33.22	19.45	4.36
1500.0	21.68	28.63	15.60	6.81	1.03	0.66	32.58	19.52	4.43
1750.0	21.04	28.12	15.36	6.32	1.01	0.64	32.32	19.58	4.48
2000.0	20.44	27.59	15.16	6.01	0.99	0.63	32.19	19.60	4.50
2250.0	19.84	27.11	15.04	5.74	0.98	0.62	32.16	19.53	4.48
2500.0	19.29	26.63	14.70	5.60	0.97	0.62	32.11	19.57	4.52
2750.0	18.71	26.21	14.48	5.46	0.97	0.61	31.49	19.85	4.53
3000.0	18.20	25.77	14.39	5.50	0.97	0.62	31.62	19.55	4.53
3250.0	17.76	25.28	14.57	5.63	0.97	0.64	31.86	19.40	4.59
3500.0	17.34	24.82	15.13	5.69	0.98	0.63	31.79	19.44	4.60
3750.0	16.90	24.40	15.49	5.69	0.98	0.63	31.39	19.37	4.56
4000.0	16.46	24.01	15.93	5.74	1.00	0.63	31.00	19.37	4.58
4250.0	16.09	23.57	16.15	5.80	1.00	0.63	31.69	18.88	4.64
4500.0	15.73	23.16	16.32	6.03	1.02	0.64	31.22	18.87	4.68
4750.0	15.35	22.78	16.34	6.24	1.03	0.65	30.99	18.66	4.66
5000.0	14.94	22.45	17.25	6.19	1.05	0.64	30.41	18.65	4.69
5250.0	14.51	22.17	17.95	6.03	1.06	0.62	30.47	18.13	4.68
5500.0	14.08	21.89	18.76	5.95	1.08	0.61	29.83	17.94	4.75
5750.0	13.61	21.69	18.59	5.76	1.10	0.60	29.48	17.53	4.85
6000.0	13.16	21.49	18.13	5.68	1.13	0.59	29.41	17.30	4.89
6250.0	12.74	21.26	17.97	5.69	1.15	0.60	29.20	16.85	4.96
6500.0	12.29	21.08	18.13	5.56	1.17	0.59	29.17	16.47	5.06
6750.0	11.84	20.90	17.39	5.49	1.20	0.59	28.77	16.04	5.06
7000.0	11.45	20.70	17.19	5.47	1.22	0.59	28.47	15.85	5.17

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Id = 116.93mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.66	31.71	25.10	22.49	1.33	0.80	43.90	20.91	4.72
40.0	24.66	31.70	25.39	21.86	1.33	0.80	43.61	21.62	4.50
60.0	24.65	31.68	25.78	21.17	1.33	0.80	41.46	21.70	4.54
80.0	24.65	31.68	26.36	20.65	1.33	0.80	43.70	21.68	4.47
100.0	24.64	31.67	26.59	20.32	1.33	0.80	40.07	21.61	4.48
200.0	24.57	31.59	24.75	18.76	1.32	0.80	40.43	21.77	4.53
300.0	24.48	31.48	23.47	16.77	1.31	0.79	41.39	21.81	4.43
400.0	24.36	31.32	21.95	14.89	1.28	0.78	39.78	21.78	4.46
500.0	24.20	31.15	20.71	13.27	1.26	0.77	38.88	21.88	4.48
600.0	24.02	30.97	19.65	11.98	1.24	0.76	38.15	21.81	4.54
700.0	23.82	30.76	18.83	10.96	1.21	0.75	37.38	21.73	4.50
800.0	23.60	30.54	18.11	10.08	1.18	0.74	37.69	21.73	4.50
900.0	23.38	30.31	17.55	9.42	1.16	0.73	36.54	21.64	4.51
1000.0	23.13	30.09	17.05	8.83	1.14	0.72	35.97	21.83	4.50
1100.0	22.89	29.85	16.80	8.32	1.12	0.70	36.08	21.77	4.52
1200.0	22.64	29.63	16.50	7.87	1.10	0.69	35.37	21.75	4.55
1250.0	22.51	29.51	16.25	7.69	1.09	0.69	36.13	21.64	4.59
1500.0	21.84	28.98	15.66	6.86	1.05	0.66	35.51	21.73	4.65
1750.0	21.20	28.46	15.47	6.37	1.03	0.64	34.87	21.75	4.71
2000.0	20.58	27.92	15.31	6.05	1.01	0.63	34.53	21.89	4.72
2250.0	19.99	27.42	15.22	5.78	1.00	0.62	34.70	21.78	4.69
2500.0	19.43	26.93	14.90	5.64	0.99	0.62	34.16	21.75	4.73
2750.0	18.84	26.50	14.67	5.49	0.99	0.61	33.58	21.75	4.73
3000.0	18.32	26.04	14.61	5.52	0.99	0.62	34.15	21.71	4.71
3250.0	17.88	25.54	14.84	5.65	0.99	0.63	33.92	21.50	4.79
3500.0	17.46	25.06	15.42	5.71	1.00	0.63	33.92	21.22	4.82
3750.0	17.01	24.63	15.84	5.70	1.00	0.63	33.25	21.07	4.78
4000.0	16.57	24.23	16.25	5.74	1.01	0.63	32.94	20.96	4.79
4250.0	16.20	23.78	16.49	5.79	1.02	0.62	33.60	20.61	4.89
4500.0	15.84	23.35	16.66	6.01	1.03	0.63	33.02	20.43	4.89
4750.0	15.47	22.96	16.69	6.19	1.04	0.64	32.60	20.17	4.90
5000.0	15.05	22.62	17.64	6.14	1.05	0.63	32.11	20.01	4.91
5250.0	14.64	22.32	18.28	5.96	1.06	0.62	32.30	19.55	4.92
5500.0	14.21	22.03	19.09	5.87	1.08	0.60	31.55	19.21	5.00
5750.0	13.75	21.83	18.81	5.68	1.10	0.59	31.38	18.76	5.07
6000.0	13.31	21.61	18.27	5.57	1.12	0.58	31.08	18.50	5.16
6250.0	12.89	21.37	18.08	5.57	1.14	0.59	30.97	18.07	5.20
6500.0	12.44	21.18	18.14	5.42	1.16	0.58	30.92	17.69	5.31
6750.0	12.01	20.99	17.38	5.33	1.18	0.57	30.77	17.29	5.34
7000.0	11.62	20.78	17.17	5.29	1.20	0.57	30.41	17.05	5.43

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 115.90mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.34	31.23	28.26	21.05	1.32	0.79	42.64	20.31	5.81
40.0	24.34	31.25	27.53	21.23	1.32	0.79	42.32	21.03	5.59
60.0	24.33	31.23	27.01	21.30	1.32	0.79	38.77	21.10	5.59
80.0	24.32	31.22	26.42	21.32	1.32	0.79	39.34	21.07	5.48
100.0	24.31	31.22	25.93	21.19	1.32	0.79	39.29	20.97	5.53
200.0	24.23	31.17	24.65	18.57	1.31	0.79	38.48	21.14	5.60
300.0	24.11	31.07	23.97	16.16	1.30	0.79	38.53	21.18	5.45
400.0	23.97	30.93	22.59	14.36	1.28	0.78	38.73	21.13	5.52
500.0	23.80	30.78	21.31	12.83	1.26	0.77	38.02	21.25	5.44
600.0	23.61	30.61	20.45	11.60	1.23	0.76	38.34	21.19	5.56
700.0	23.39	30.41	19.65	10.60	1.21	0.75	37.50	21.09	5.56
800.0	23.15	30.20	18.89	9.78	1.18	0.74	36.26	21.11	5.61
900.0	22.91	29.99	18.26	9.09	1.16	0.73	36.41	20.98	5.60
1000.0	22.64	29.77	17.79	8.51	1.14	0.72	35.74	21.19	5.60
1100.0	22.38	29.55	17.27	8.05	1.12	0.71	35.85	21.09	5.62
1200.0	22.11	29.33	16.86	7.66	1.10	0.70	35.75	21.06	5.65
1250.0	21.97	29.22	16.65	7.49	1.09	0.70	35.56	21.00	5.68
1500.0	21.29	28.67	15.86	6.83	1.06	0.68	34.82	21.09	5.75
1750.0	20.60	28.14	15.37	6.42	1.04	0.67	34.35	21.02	5.84
2000.0	19.94	27.61	15.02	6.14	1.02	0.67	33.49	21.17	5.87
2250.0	19.29	27.11	14.71	5.96	1.02	0.67	33.42	21.01	5.84
2500.0	18.70	26.60	14.57	5.91	1.02	0.67	33.27	20.97	5.91
2750.0	18.11	26.12	14.49	5.94	1.03	0.67	32.44	20.76	5.92
3000.0	17.55	25.65	14.41	6.01	1.04	0.68	32.29	20.70	5.89
3250.0	17.00	25.19	14.39	6.08	1.05	0.69	32.10	20.37	6.02
3500.0	16.46	24.78	14.38	6.17	1.07	0.70	32.12	19.91	6.04
3750.0	15.91	24.39	14.59	6.26	1.09	0.70	31.39	19.53	6.04
4000.0	15.38	24.03	14.74	6.38	1.12	0.71	30.75	19.23	6.11
4250.0	14.87	23.67	14.89	6.51	1.15	0.72	30.70	18.88	6.20
4500.0	14.37	23.33	15.23	6.63	1.18	0.72	30.14	18.47	6.26
4750.0	13.89	22.99	15.63	6.79	1.22	0.73	29.65	18.08	6.22
5000.0	13.39	22.69	15.83	6.96	1.26	0.74	28.87	17.86	6.29
5250.0	12.91	22.40	16.14	7.09	1.29	0.74	28.67	17.41	6.35
5500.0	12.42	22.14	16.62	7.20	1.34	0.74	28.25	17.03	6.41
5750.0	11.97	21.87	16.67	7.41	1.38	0.75	28.04	16.65	6.50
6000.0	11.49	21.66	16.95	7.52	1.43	0.76	27.50	16.38	6.60
6250.0	11.03	21.41	17.08	7.58	1.47	0.76	27.37	15.95	6.68
6500.0	10.56	21.21	17.25	7.68	1.53	0.76	27.00	15.69	6.83
6750.0	10.08	21.03	17.16	7.58	1.57	0.76	27.20	15.25	6.80
7000.0	9.58	20.90	16.56	7.39	1.63	0.75	26.58	15.02	6.96

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id = 99.02mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.18	31.02	31.82	19.61	1.31	0.79	36.17	19.30	5.67
40.0	24.18	31.04	30.91	19.77	1.31	0.79	39.41	19.98	5.43
60.0	24.17	31.02	29.92	19.85	1.31	0.79	37.21	20.00	5.48
80.0	24.16	31.01	29.11	19.91	1.31	0.79	36.29	19.98	5.35
100.0	24.15	31.01	28.43	19.86	1.31	0.79	36.33	19.89	5.39
200.0	24.07	30.96	26.25	17.83	1.30	0.79	36.34	20.02	5.42
300.0	23.96	30.86	24.92	15.73	1.29	0.78	36.71	20.04	5.34
400.0	23.82	30.72	23.21	14.10	1.27	0.77	36.63	20.01	5.38
500.0	23.65	30.56	21.67	12.67	1.25	0.77	35.42	20.10	5.32
600.0	23.46	30.39	20.67	11.50	1.22	0.76	35.27	20.02	5.44
700.0	23.25	30.18	19.77	10.53	1.20	0.74	35.13	19.92	5.39
800.0	23.02	29.97	18.94	9.73	1.17	0.73	34.92	19.93	5.40
900.0	22.78	29.75	18.24	9.06	1.15	0.72	34.38	19.86	5.50
1000.0	22.52	29.54	17.73	8.49	1.13	0.71	33.82	20.02	5.47
1100.0	22.26	29.31	17.20	8.03	1.10	0.70	33.88	19.96	5.46
1200.0	21.99	29.10	16.75	7.65	1.09	0.70	33.58	19.94	5.49
1250.0	21.86	28.98	16.55	7.48	1.08	0.69	34.11	19.87	5.54
1500.0	21.19	28.43	15.72	6.83	1.04	0.68	33.41	19.96	5.60
1750.0	20.51	27.92	15.21	6.42	1.02	0.67	32.93	19.93	5.71
2000.0	19.86	27.39	14.87	6.14	1.01	0.67	32.62	20.07	5.71
2250.0	19.22	26.90	14.55	5.96	1.00	0.67	32.39	19.93	5.71
2500.0	18.63	26.40	14.38	5.90	1.00	0.67	32.22	19.90	5.75
2750.0	18.06	25.93	14.29	5.94	1.01	0.68	31.68	19.86	5.75
3000.0	17.50	25.47	14.23	6.01	1.02	0.68	31.45	19.79	5.73
3250.0	16.96	25.03	14.21	6.08	1.03	0.69	31.31	19.49	5.87
3500.0	16.43	24.63	14.21	6.18	1.05	0.70	31.46	19.01	5.91
3750.0	15.88	24.25	14.41	6.27	1.08	0.70	30.91	18.76	5.92
4000.0	15.35	23.89	14.57	6.40	1.11	0.71	30.26	18.49	5.93
4250.0	14.85	23.54	14.73	6.53	1.14	0.72	30.14	18.16	6.01
4500.0	14.35	23.21	15.05	6.66	1.17	0.73	29.65	17.83	6.09
4750.0	13.87	22.88	15.46	6.82	1.21	0.73	29.14	17.46	6.06
5000.0	13.37	22.59	15.67	7.01	1.25	0.74	28.31	17.32	6.13
5250.0	12.89	22.31	15.99	7.15	1.29	0.74	28.15	16.86	6.17
5500.0	12.41	22.05	16.51	7.26	1.33	0.75	27.67	16.48	6.26
5750.0	11.95	21.80	16.54	7.49	1.38	0.76	27.53	16.12	6.28
6000.0	11.47	21.59	16.85	7.61	1.43	0.76	27.00	15.83	6.40
6250.0	11.01	21.35	17.00	7.68	1.47	0.76	26.91	15.46	6.46
6500.0	10.54	21.16	17.18	7.79	1.53	0.77	26.53	15.17	6.59
6750.0	10.06	20.99	17.15	7.69	1.58	0.76	26.72	14.70	6.61
7000.0	9.55	20.86	16.58	7.51	1.63	0.76	26.08	14.51	6.74

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Id = 133.76mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	24.46	31.37	26.35	22.23	1.32	0.80	39.28	21.13	5.93
40.0	24.45	31.40	25.75	22.47	1.32	0.80	56.91	21.91	5.70
60.0	24.44	31.38	25.24	22.52	1.32	0.80	42.68	22.00	5.72
80.0	24.43	31.37	24.81	22.49	1.32	0.80	43.61	21.96	5.63
100.0	24.42	31.37	24.46	22.25	1.32	0.80	41.37	21.85	5.67
200.0	24.33	31.32	23.59	19.06	1.32	0.80	42.30	22.05	5.73
300.0	24.22	31.23	23.16	16.44	1.30	0.79	43.48	22.11	5.60
400.0	24.07	31.09	22.08	14.51	1.29	0.78	41.97	22.03	5.65
500.0	23.90	30.95	20.96	12.92	1.27	0.77	41.56	22.16	5.57
600.0	23.70	30.77	20.24	11.66	1.24	0.76	40.21	22.10	5.69
700.0	23.48	30.58	19.55	10.64	1.22	0.75	38.67	21.98	5.69
800.0	23.24	30.37	18.81	9.81	1.19	0.74	38.14	22.02	5.69
900.0	22.99	30.16	18.24	9.11	1.17	0.73	37.52	21.84	5.71
1000.0	22.72	29.94	17.80	8.53	1.15	0.72	37.15	22.07	5.75
1100.0	22.46	29.72	17.28	8.06	1.13	0.71	37.04	21.92	5.79
1200.0	22.18	29.50	16.89	7.67	1.11	0.70	36.58	21.90	5.79
1250.0	22.04	29.39	16.70	7.50	1.10	0.70	36.41	21.85	5.81
1500.0	21.35	28.83	15.95	6.84	1.07	0.68	35.84	21.92	5.91
1750.0	20.65	28.30	15.46	6.43	1.05	0.67	35.12	21.83	5.99
2000.0	19.98	27.76	15.13	6.15	1.04	0.67	34.29	21.97	6.00
2250.0	19.33	27.25	14.84	5.98	1.03	0.67	34.06	21.79	6.01
2500.0	18.72	26.73	14.66	5.93	1.03	0.67	33.58	21.71	6.07
2750.0	18.13	26.24	14.59	5.97	1.04	0.68	32.84	21.39	6.09
3000.0	17.56	25.76	14.51	6.04	1.05	0.68	32.59	21.35	6.06
3250.0	17.01	25.30	14.48	6.11	1.07	0.69	32.33	20.98	6.17
3500.0	16.46	24.88	14.48	6.20	1.08	0.70	32.11	20.51	6.22
3750.0	15.90	24.49	14.67	6.29	1.11	0.70	31.33	20.08	6.20
4000.0	15.36	24.12	14.81	6.42	1.14	0.71	30.87	19.69	6.26
4250.0	14.85	23.75	14.96	6.54	1.17	0.72	30.71	19.31	6.36
4500.0	14.34	23.40	15.29	6.67	1.20	0.73	30.17	18.88	6.44
4750.0	13.85	23.06	15.68	6.82	1.23	0.73	29.59	18.49	6.44
5000.0	13.35	22.75	15.86	7.00	1.27	0.74	28.95	18.25	6.49
5250.0	12.87	22.46	16.16	7.13	1.31	0.74	28.80	17.78	6.53
5500.0	12.37	22.19	16.64	7.24	1.36	0.75	28.42	17.41	6.64
5750.0	11.92	21.93	16.65	7.45	1.40	0.76	28.23	17.03	6.70
6000.0	11.43	21.71	16.94	7.57	1.45	0.76	27.72	16.74	6.81
6250.0	10.97	21.45	17.05	7.63	1.49	0.76	27.54	16.34	6.91
6500.0	10.50	21.25	17.20	7.73	1.54	0.77	27.22	16.06	7.06
6750.0	10.02	21.07	17.12	7.62	1.59	0.76	27.33	15.60	7.07
7000.0	9.51	20.93	16.51	7.43	1.64	0.76	26.78	15.42	7.19